

Meeting Minutes Transmittal/Approval
Unit Manager's Meeting: Remedial Action and Waste Disposal Unit/Source Operable Unit
3350 George Washington Way, Room 1B45, Richland, Washington
October 17, 1996

FROM/APPROVAL: *Nancy Werdel* Date 11/21/96
Nancy Werdel/Glenn Goldberg, 100 Area Unit Managers, RL (H0-12)

APPROVAL: *Keith K. Holliday* Date 11-21-96
Wayne Soper/Keith Holliday, 100 Aggregate Area Unit Manager, Ecology (B5-18)

APPROVAL: *[Signature]* Date 11-21-96
Dennis Faulk/Kevin Oates, 100 Aggregate Area Unit Managers, EPA (B5-01)

APPROVAL: *Bryan Foley* Date 11/21/96
Bryan Foley, 200 Area Unit Manager, RL (H0-12)

APPROVAL: *Jean K. Bartz* Date 11/21/96
~~Gary Freedman/Norman Hepner, 200 Aggregate Area Unit Managers Ecology (B5-18)~~ *Jean Bartz - UP-2*

APPROVAL: *N/A* Date _____
David Einan/Paul Beaver, 200 Area Aggregate Area Unit Managers, EPA (B5-01)

APPROVAL: *Robert G. McLeod* Date 11-21-96
Robert G. McLeod, 300 Area Unit Manager, RL (H0-12)

APPROVAL: *Jeanne Wallace* Date 2/19/97
Jeanne Wallace, 300 Area Aggregated Area Unit Manager WA Dept of Ecology (B5-18)

APPROVAL: *David R. Einan* Date 21 Nov 96
David R. Einan, 300 Area Aggregated Unit Manager, EPA (B5-01)

APPROVAL: *Ted A. Wooley* Date 11/21/96
Ted A. Wooley, 300 Area Process Trenches Subproject Manager



Meeting Minutes are attached. Minutes are comprised of the following:

- Attachment #1 - Agenda
 - Attachment #2 - Attendance Record
 - Attachment #3 - Meeting Minutes
 - Attachment #4 - Status Package
-

Prepared by:  Date 5/19/97
Gary Gesell/Tamen Lundquist (H0-17)

Concurrence by:  Date 5/19/97
Vern Dronen, BHI Remedial Action and Waste Disposal Project Manager
(H0-17)

046313

UNIT MANAGER'S MEETING AGENDA
October 17, 1996

1:00 p.m. 200 Area

200-UP-2

- Closure Plan Direction Letter and Schedule for Future Meetings
- FFS and Proposed Plan Comments and Schedule for Rev. 0 of the Document

2:00 p.m. 100 Area

- Status of 100-DR-1 Remedial Action
- Status of 100 Area Remaining Sites Issues:
 - ROD Amendment (formerly ESD-A)
 - CSE SAP
 - Remaining Sites FFS
- Status 100, 200 and 300 Area Wastewater Management
- Status of 100-D Ponds Analytical Results
- Submittal of 100-IU-2 and 100-IU-6 Focus Package, Rev. 0

3:00 p.m. 300 Area

300-FF-1

- Remedial Action Procurement
- RDR/Remedial Action and Waste Disposal Project
- Construction Support Facility

300-FF-2

- Status of LFI Report Review
- Well Upgrade at E4A

300-FF-5

- Transition to Monitoring and Surveillance

Remedial Action and Waste Disposal Unit Manager's Meeting
Official Attendance Record
October 17, 1996

046313

Please print clearly and use black ink

PRINTED NAME ORGANIZATION O.U. ROLE TELEPHONE

200 Area

100 Area

PRINTED NAME	ORGANIZATION	O.U. ROLE	TELEPHONE
GREZ B. MITCHEM	BHI	200 TASK LEAD	372-9632
BRYAN L. FOLEY	BHI DOE-RL	200 AREA, RAP	376-7087
Pick Donahue	BHI	100 D T.L	373-6879
VERN DRONEN	BHI	RAWP P.M.	372-9075
ELLEN MATTLIN	DOE-RL	EAP RCRA SUPPORT	376-2385
MARIE TODD	ITH	TASK Lead for U.P.2	372-9678
JOAN K. BARTZ	ECOLOGY	Unit Manager	736-5707
Phuck Hedel	ERC	CHI Tank Lead	372-9637
JEFF JAMES	BHI	TASK LEAD	372-9563
CLARENCE CORRIGAN	BHI	ASSESSMENTS	372-9565
Glenn Goldberg	DOE-RL	Proj. Manager	376-9552
Nancy Wexdel	DOE-RL	Proj. Manager	376-5500
Merrick P. Blanco	DOE-RL	Info Mgt	372-3340
Larry Gadbois	EPA	Proj Mgr.	376-9884
Keith Holliday	Ecology	Project Mgr.	736-3036
Kevin Oates	EPA	E5	376 6623
P. Staats	Ecology	(did not sign in)	
J. Downey	Ecology	(did not sign in)	
ELLEN MATTLIN	DOE-RL	DOE-RL EAP RCRA SUPPORT	376-2385

**Unit Managers' Meeting Minutes
October 17, 1996**

046313

100 AREAS

Status of 100-DR-1 Remedial Action

The U.S. Department of Energy, Richland Operations Office (RL) awarded the contract to RCI Environmental, Inc. on October 4, 1996, for remedial action in 100-DR-1. An aggressive schedule is in place to initiate excavation by December 2, 1996.

100-B/C

In 100-B/C remedial action, plan to complete 116-C-1 by the end of October 1996; plan to move field effort to 116-C-5 when 116-C-1 is completed. Work on the 100-B/C pipelines is in progress.

Status of 100 Area Remaining Site Issues

ROD Amendment (formerly ESD-A)

The U.S. Environmental Protection Agency (EPA) indicated that a draft of the Record of Decision (ROD) Amendment should be provided to RL on or about October 21, 1996.

The EPA is reluctant to add more sites to the ROD Amendment A for several reasons. First, this amendment has pushed the envelope of an amendment versus a new ROD due to the magnitude of the scope and cost changes. Secondly, RODs and/or ROD amendments that exceed \$60 million and/or meet one of the "Rules of Thumb" criteria require formal consultation with the national Remedy Review Board, which is a joint OMB/EPA/DOE/DoD Committee review. Such a review could delay the project by at least an additional 6 months. The Environmental Restoration Contractor (ERC) indicated at the MYPP meetings in September that without a signed decision document by January 1997, it would be proceeding at risk for remedial design and remedial action activities for the sites to be addressed in the ROD Amendment. The EPA also indicated that a second amendment to the September 1995 ROD to add additional sites would not be appropriate. Rather, any other 100 Area sites for remediation should be addressed in the next ROD.

CSE SAP

The EPA indicated that Doug Sherwood would like to make the waste information data system (WIDS) and Appendix C of the Tri-Party Agreement one in the same. The regulators wish to

have a process in place where the Tri-Parties can agree that the Confirmatory Sampling Effort (no action sites) is appropriate. Until Appendix C and WIDS are reconciled and the overall ROD strategy agreed to, the regulators wish to stop work on CSE. The Environmental Restoration Contractor indicates that work on the CSE SAP has been placed on hold until the associated issues are resolved.

It was agreed that it would be helpful to have the Tri-Parties revisit this CSE-SAP effort, after WIDS and Appendix C are updated. The regulators are available to participate in these discussions. RL would like a central point of contact, and that all participants agree to abide by decisions of that group.

ROD Strategy for 100 Area

On February 8, 1996, the EPA sent a letter regarding the ROD Strategy calling for an ESD for remaining liquid waste sites, and a ROD for burial grounds, and all other 100 Area remaining sites. The Washington State Department of Ecology (Ecology) and EPA are aware that RL's additional study on burial grounds is complete, but that the results have not been discussed. The EPA and Ecology reiterated their concerns that there was no dialogue with the regulators on purpose or the need for the additional study prior to DOE undertaking and completing the work. The EPA does not agree that the focused feasibility study (FFS) work in progress on burial grounds and other sites is necessary. The reasons were outlined in the February 8, 1996, letter referenced above. RL indicated general agreement with the regulators' ROD strategy (except for burial grounds) and indicated the need for additional remediation data from the 618-4 remedial action in the 300 Area. RL committed to arrange a separate meeting to discuss the overall ROD Strategy.

Status of 100, 200, and 300 Area IDW Wastewater Management

Approximately 3,000 gallons of liquid must be disposed. A baseline change proposal is being prepared to sample some drums and develop and select options to dispose the liquid (evaporation, dispose of with purge water, discharge ground, use for dust suppression, treat in existing groundwater treatment plans liquid effluent treatment facility).

Status of 100-D Ponds Analytical Results

Analytical results have not been received.

Submittal of 100-IU-2 and 100-IU-6 Focus Package (Rev. 0)

RL plans to transmit the 100-IU-2 and 100-IU-6 Focus Package (Rev. 0) to the regulators in the next 1 to 2 weeks.

Action Items

- Corriveau: Provide Donnelly with inventory of liquid IDW (e.g., number of containers, volume).
- Werdel: Contact regulators to schedule a meeting on the 100 Area ROD Strategy.

200 AREAS

The 200-UP-2 agenda items were discussed, and the following summarizes the results of this discussion:

The Ecology letter to RL regarding the 216-U-12 Closure/Post-Closure Plan and the FFS and Proposed Plan for 200-UP-2 was given to RL at the meeting; RL briefly reviewed the letter. RL requested that they have an opportunity after this meeting to review the letter in detail and get back with Ecology if any issues arise. The Ecology letter states that Ecology will submit a Tri-Party Agreement change request revising the M-15-15E Milestone to require submittal of the 216-U-12 Closure/Postclosure Plan by July 1999. (NOTE: Milestone M-15-15E is for submittal of the final versions of the FFS and proposed plan. Therefore, the milestone is not only delayed but revised.) This will give RL an opportunity to integrate the closure requirements with ongoing strategy work. One issue that was noted by RL to Ecology as being of concern is the requirement for sampling before generating the July 1999 documentation. RL would still like to retain the option of doing field work after the Closure Plan documentation is complete. This additional flexibility may help integrate field activities planned for the strategy implementation. July 1999 was selected by Ecology since this is the latest the submittals can be provided to meet the permit modification schedule for that cycle.

Ecology does not intend on submitting comments on the FFS and Proposed Plan and do not want the documents finalized to Rev. 0. Ecology did request, however, that the FFS be put into the Administrative Record for future reference and use.

The Ecology letter listed several categories of deficiencies that were identified in the RCRA/CERCLA integration documentation. These categories will require additional discussion, and a lessons learned can be generated and shared with the ER program.

Action Items:

- Ecology will write a letter formally stating that they will not be submitting comments on the FFS and Proposed Plan for 200-UP-2 and that the draft FFS should be placed in the Administrative Record.

- RL will assist Ecology in generating the text for the Tri-Party Agreement change request.
- Follow-up meetings will be scheduled to discuss the details of the major deficiencies identified in the Ecology letter.

300 AREA

300-FF-1

- Mr. Bob Orewiler was introduced to the unit managers. Mr. Orewiler is the field superintendent for the 300-FF-1 remedial action.
- The status of the remedial action procurement was presented. The bids have been technically and commercially reviewed, and two rounds of clarification questions have been sent, responded to, and evaluated. The current schedule is to award the bid by October 25, 1996. Remedial action subcontractor submittals were briefly discussed. Mr. Johnson suggested that the unit managers review their copy of the Request for Proposal (RFP) Exhibit I to determine which submittals would be important for review versus information. It was noted that submittals generally must be reviewed in a short timeframe.
- The status of the Remedial Design Report/Remedial Action Work Plan (RDR/RAWP), Data Quality Objective (DQO) summary report, and final set of DQO meeting minutes was presented. All three documents are linked, and completion of the meeting minutes and the DQO summary report are required before the RDR/RAWP can be issued. Changes to the RDR/RAWP to reflect current subcontract language, in terms of submittals that address key plans, were discussed. It was agreed to include the 1987 Zimmerman and Kossick data in the data set used to calculate the number of samples for the process trenches, as well as carry that data through the entire data evaluation and verification process. The unit managers agreed to sign the DQO meeting minutes as soon as the additional data set was included in the document. Mr. Carlson noted that a final quality control check was currently being performed on the statistical calculations. Regarding approval of the RDR/RAWP, it was discussed that EPA would send an approval memo after the document is issued. The EPA is also looking into what alternate documentation could be provided to proceed if the remedial action contract is ready to be awarded before the RDR/RAWP is finalized.
- The status of the construction support facility was presented. Two trailers have been installed; a trench dug; and power, communication, and water lines installed. Tie-ins have not been completed. The trailer occupancy date was anticipated for October 24, 1996.
- Definition of the closure of the process trenches was discussed. This was brought up at

this time because an RFP was just issued to obtain the independent PE to certify closure of the process trenches per the WAC. It is not explicitly defined when closure occurs in the closure plan. The Environmental Restoration Contractor proposes that site closure be defined as that time when all contaminants have been removed from the trenches to the cleanup level standards, verification samples have been taken, and the results analyzed and agreed to by the decision makers. This basic concept was agreed to on the 183-H project earlier via a memo. It was agreed that a memo would be prepared to propose this definition and sent to Ecology for concurrence.

300-FF-2

- The EPA indicated that approximately 1/3 of the LFI report had been reviewed, and no major problems have been identified.
- Mr. Hulstrom provided a brief status of the upgrade of well E4A. The upgrade was completed as planned. The field work was initiated on September 18, 1996, and completed on September 27, 1996. Data is due from the laboratory on November 13, 1996. One hit of some organic vapor occurred from the well during the process, and the water pH was 10. Surface sheen was not present on the water, and the turbidity cleaned up very quickly upon purging of the well.

300-FF-5

- The unit managers were notified that the process of implementing the 300-FF-5 O&M Plan was transferred from ADS 3300 to ADS 3800 (Surveillance and Maintenance). The RI/FS activities under ADS 3300 were completed with issuance of the O&M Plan at the end of FY 1996.

046313

STATUS PACKAGE

UNIT MANAGERS' MEETING - OCTOBER 1996

SOURCE OPERABLE UNITS

100-B/C, 100-K, 100-D, 100-H, 100-F

200 AREAS

300 AREA

prepared by

DOE-RL

10/17/96

100 AREAS

Assessment Activities

100 Area Remaining Sites - The U.S. Environmental Protection Agency (EPA) notified the U.S. Department of Energy (DOE), Richland Operations Office (RL) in late August that an explanation of significant difference (ESD) format is not appropriate for the types of Record of Decision (ROD) changes being advanced and that a ROD amendment will be required. The EPA initiated revisions to modify the ESD into a ROD amendment format. RL is anticipating receipt of the ROD amendment (formerly Group A ESD) for DOE review. Work on a second ROD amendment (formerly Group B ESD) has begun, but will not be completed until information on format and content is available from the first ROD amendment (formerly ESD-A).

Confirmatory Sampling Effort (CSE) - On September 18, 1996, RL provided the regulatory agencies with a draft Sampling and Analysis Plan (SAP) for review. On September 25, 1996, however, EPA informed RL that the agency stopped reviewing the SAP until other strategy issues for the 100 Areas are addressed. The Washington State Department of Ecology (Ecology) concurred with EPA on September 30, 1996, and also stopped reviewing the SAP. Plans are underway to meet with the regulatory agencies during October 1996 to discuss concerns.

100-IU-2 and 100-IU-6 - In late September 1996, RL completed revisions to the Focus Package (DOE/RL-95-108) as agreed to with EPA during a July 16, 1996, meeting. The revised document (Rev. 0) will be transmitted to EPA and Ecology by RL in October 1996.

100-D Ponds

Laboratory analyses for verification sampling conducted during August 1996 are in progress; the results are expected in October 1996.

Waste Site Reclassification

RL has submitted documentation for 26 waste sites that have high potential for reclassification in the waste information database system. RL has requested EPA and Ecology to review the information packages and associated approval forms.

A workshop was held on September 4, 1996, which included the following attendees: DOE and federal and state regulators from the Mound, Ohio DOE facility, and RL, EPA, Ecology, and Environmental Restoration Contractor (ERC) staff from the Hanford Site. The Mound Project uses an approach to disposition waste sites that is similar to the Waste Site Reclassification Project. During the workshop, RL described a cost-benefit evaluation that explains the cost-effectiveness of reclassifying waste sites. The Waste Site Reclassification project will not be funded during fiscal year 1997.

Investigation Derived Waste (IDW)

On September 30, 1996, RL notified EPA and Ecology that, effective September 27, 1996, RL had fulfilled the requirements of the *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement) Milestone M-15-35. The milestone required completion of IDW disposal for 37 waste sites included in the interim ROD for the 100-BC-1, 100-DR-1, and 100-HR-1 Operable Units (OU) by September 30, 1996. The IDW was transported from the OUs to the Environmental Restoration Disposal Facility (ERDF) for disposal in accordance with Tri-Party Agreement Change Control Number 106, dated September 3, 1996.

RL is currently planning work to address wastewater that is being stored in containers in various OUs in the 100, 200, and 300 Areas.

100-B/C-1

Remedial Action - Excavation of 116-C-1 soil is ongoing, and completion is expected in mid-October 1996. Excavation of soils from the 116-C-5 Retention Basins commenced in September 1996. Mechanical problems with the subcontractor's haul trucks have been resolved, and more than 1,000 tons/day are being shipped to ERDF. More than 35,000 tons of waste have been excavated and shipped to ERDF. Revisions to the Remedial Design Report (RDR)/Remedial Action Work Plan (RAWP) and to the SAP have been completed. The EPA, RL, and Ecology are currently reviewing the cleanup verification package for the 116-B-5 Crib.

200 AREAS

200-UP-2 Operable Unit

200-UP-2 FFS - A Tri-Party Agreement change package deleting the FFS and proposed plan for the 200-UP-2 is being prepared, along with a letter to Ecology confirming the schedule for the 216-U-12 Crib/Postclosure Plan to meet the permit modification schedule of 2003.

200 Areas Strategy

The Waste Site Grouping Report (formerly the Technical Document) is being finalized. Working meetings are continuing on Tri-Party Agreement change package and public involvement efforts. A presentation to the Results Management Team is being developed to provide the latest Tri-Party Agreement change package proposal. A Public Involvement Plan is being developed based on joint RL, EPA, and Ecology direction.

200-BP-1 Operable Unit

The barrier testing program continues to provide data on water infiltration, vegetation growth, and bio-intrusion associated with the Hanford Site Barrier. Additional asphalt testing has been scoped for fiscal year 1997, and initial work has been done to initiate this work.

200-BP-11 Operable Unit

The DQO for the Tank Waste Remediation System (TWRS) privatization project emergency egress and pipe transfer lines routing across the 216-A-29 Ditch (a treatment, storage, and disposal unit) is being initiated. This work has been funded from the TWRS privatization project, and a schedule is being developed.

200-IU-3 Operable Unit

Non-Radioactive Dangerous Waste Landfill (NRDWL) - ERC input on the Solid Waste Landfill (SWL) soil gas SAP has been provided to ensure NRDWL integration is considered in the development of the SAP. NRDWL activities are awaiting finalization of SWL data needs decisions. Data collection will factor in NRDWL/SWL integration.

300 AREA**300-FF-1 Operable Unit**

Remedial Design/Action - The RA subcontract RFP technical evaluation was completed. A memo was sent to all bidders requesting an extension of each firm's proposal through December 17, 1996, allowing additional potential funding constraints on the project.

All sets of DQO meeting minutes were signed by the Tri-Parties. DQO summary report text was reviewed, revised, and resent to the decision makers for final comment before issuing the report. The RDR/RAWP is completed and ready to issue pending any changes to the remediation schedule.

Activities to set up the ERC remedial action support facilities at the 300-FF-1 Operable Unit are completed except for installation and acceptance inspection of the septic holding tank. However, temporary facilities are in place until the tank is installed. The facilities were ready for occupancy on October 30, 1996.

An RFP was issued to five bidders soliciting an Independent Registered Professional Engineer to certify closure of the 300 Area Process Trenches. Questions on the RFP are due from the bidders by November 8, 1996, and the bids are due on November 18, 1996.

300-FF-2 Operable Unit

Limited Field Investigation (LFI) Report - The LFI report is currently under regulatory review with comments due by November 7, 1996.

Distribution
Unit Managers' Meeting: Remedial Action Unit/Source Operable Units
100, 200, and 300 Areas

0 4 6 3 1 3

Nancy Werdel	DOE-RL, RP (H0-12)
Mike Thompson	DOE-RL, RP (H0-12)
Glenn Goldberg	DOE-RL, RP (H0-12)
John Murphy	DOE-RL, RP (H0-12)
Rich Holten	DOE-RL, RP (H0-12)
Bryan Foley	DOE-RL, RP (H0-12)
Robert McLeod	DOE-RL-ERD (H0-12)
Ellen Mattlin	DOE-RL, EAP (A5-15)
Lisa Treichel	DOE-HQ (EM-442)
Steve Balone	DOE-HQ (EM-442)
Dennis Faulk	100 Aggregate Area Manager, EPA (B5-01)
David Einan	EPA (B5-01)
Larry Gadbois	EPA (B5-01)
Kevin Oates	EPA (B5-01)
Phil Staats	100 Aggregate Area Manager, WDOE (B5-18)
Chuck Cline	WDOE (Lacey)
Wayne Soper	WDOE (Kennewick) (B5-18)
Ted Wooley	WDOE (Kennewick) (B5-18)
Gary Freedman	WDOE (Kennewick) (B5-18)
Norman Hepner	WDOE (Kennewick) (B5-18)
David Holland	WDOE (Kennewick) (B5-18)
Keith Holliday	WDOE (Kennewick) (B5-18)
Lynn Albin	Washington Dept. of Health
V. R. Dronen	(H0-17)
G. O. Gesell	(H0-17)
T. L. Lundquist	(H0-17)
J. R. James	(H0-17)
G. E. Van Sickle	(H0-17)
G. B. Mitchem	(H0-17)
C. R. Johnson	(H0-17)
R. A. Carlson	(H0-17)
L. C. Hulstrom	(H9-11)
M. J. Galgoul	(H9-12)
Alvina Goforth	BHI DIS (H0-09) Kay Kimmel MAC (B1-42)
T. M. Wintczak	BHI (H0-11)
Andrea Hopkins	BHI (H9-11)
Tom Page (Please route to:)	PNNL (K9-18)
Cheryl Thornhill	PNNL (K9-14)
Mark Hanson	PNNL (K9-02)
Steve Slate	PNNL (K9-14)

Please inform Tamen Lundquist (372-9562) of BHI
of deletions or additions to the distribution list. Attachment #1